



## **AM/FM Stereo Sports Cassette Player**



**Owner's Manual**  
Please read before using this equipment.

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## Features

Your RadioShack AM/FM Stereo Sports Cassette Player is lightweight, portable, and easy to operate. It delivers excellent sound through the supplied in-ear sports earphones or through speakers (not supplied). Its features include:

**Sports Design** — the sealed cassette compartment protects your tape from wind, dust, and rain.

**In-Ear Sports Earphones** — you can connect the supplied earphones for private listening.

**E-Bass** — lets you emphasize bass sounds to suit your listening preferences.

**Auto-Stop** — automatically stops tape playback at the end of a tape to protect the tape-handling parts.

**Automatic Frequency Control Circuit** — helps lock FM tuning for drift-free reception.

**Three Power Sources** — let you power the cassette player using internal batteries, AC power, or vehicle battery power.

**Removable Belt Clip** — allows hands-free carrying when you are on the go.

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## **Preparation**

### **CONNECTING POWER**

You can power your cassette player with any of three power sources:

- internal battery power
- standard AC power (with an optional AC adapter)
- vehicle battery power (with an optional DC adapter)

### **Installing Batteries**

You can use two AA batteries (not supplied) to power your cassette player. For the best performance and longest life, we recommend RadioShack alkaline batteries.

#### **Cautions:**

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Follow these steps to install batteries.

1. Pull up the cassette latch, then pull open the cassette compartment door.
2. Push the battery compartment door's tab in the direction of the arrow. The battery compartment opens.

**Caution:** The battery compartment door is attached to the cassette player. Do not try to remove it.

3. Place the batteries in the compartment, as indicated by the polarity symbols (+ and –) marked on the back of the battery compartment door.
4. Press the battery compartment door to close it, then close the cassette compartment door and push the cassette latch until it snaps.

When the sound becomes weak or distorted or the cassette player stops operating properly, replace the batteries.

**Warning:** Dispose of old batteries promptly and properly. Do not burn or bury them.

**Caution:** If you do not plan to use the cassette player with batteries for a week or more, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

## Using AC Power

You can power the cassette player using a regulated 3V, 300-mA AC adapter and a size H Adaptaplug™ adapter (neither supplied). Both are available at your local RadioShack store.

### Cautions:



You must use a Class 2 power source that supplies 3V DC and delivers at least 300 mA. Its center tip must be set to positive and its plug must fit the cassette player's **DC 3V** jack. Using an adapter that does not meet these specifications could damage the cassette player or the adapter.

- Always connect the AC adapter to the cassette player before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the cassette player.
1. Set the adapter's voltage switch to 3V if necessary.
  2. Insert the Adaptaplug adapter into the adapter's cord so it reads + TIP.
  3. Pull out the attached rubber plug from the **DC 3V** jack, then insert the Adaptaplug's barrel plug into the jack.

4. Plug the adapter's other end into a standard AC outlet.

**Notes:**

- Internal batteries (if installed) automatically disconnect when you plug an AC adapter into the cassette player.
- Disconnect the AC adapter and reinsert the rubber plug into the **DC 3V** jack when you are not using the cassette player.

### Using Vehicle Battery Power

You can power the cassette player from a vehicle's 12V power source (such as a cigarette-lighter socket) using a 3V, 300-mA DC adapter and a size H Adapta-plug adapter (neither supplied). Both are available at your local RadioShack store.

**Cautions:**



You must use a power source that supplies 3V DC and delivers at least 300 mA. Its center tip must be set to positive and its plug must fit the cassette player's **DC 3V** jack. Using an adapter that does not meet these specifications could damage the cassette player or the adapter.

- Always connect the DC adapter to the cassette player before you connect it to the power source. When you finish, disconnect the adapter from the power source before you disconnect it from the cassette player.

Follow these steps to connect the cassette player to vehicle battery power.

1. Set the adapter's voltage switch to 3V if necessary.
2. Insert the Adaptaplug adapter into the adapter's cord so it reads + TIP.
3. Pull out the attached rubber plug from the **DC 3V** jack, then insert the Adaptaplug's barrel plug into the jack.
4. Plug the other end of the DC adapter into the vehicle's cigarette-lighter socket.

**Notes:**

- Internal batteries (if installed) automatically disconnect when you plug a DC adapter into the cassette player.
- Disconnect the DC adapter and reinsert the rubber plug into the **DC 3V** jack when you are not using the cassette player.



## CONNECTING EARPHONES/ SPEAKERS

To listen to your cassette player, connect the supplied sports earphones (to listen to a tape privately) or a pair of amplified speakers (not supplied) with a  $\frac{1}{8}$ -inch (3.5-mm) plug. Pull out the attached rubber plug from the **PHONES** jack, then insert the earphone's or speakers' plug into the jack.

**Note:** Disconnect the earphones' or speakers' plug then reinsert the rubber plug into the **PHONES** jack when you are not using the cassette player.

### Listening Safely

To protect your hearing, follow these guidelines when you use earphones or headphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

## Traffic Safety

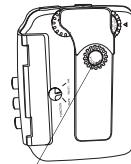
Do not wear an earphone or headphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could be illegal in some areas.

Even though some earphones or headphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

## USING THE BELT CLIP

You can use the belt clip attached to the back of the cassette player for hands-free carrying when you are on the go.

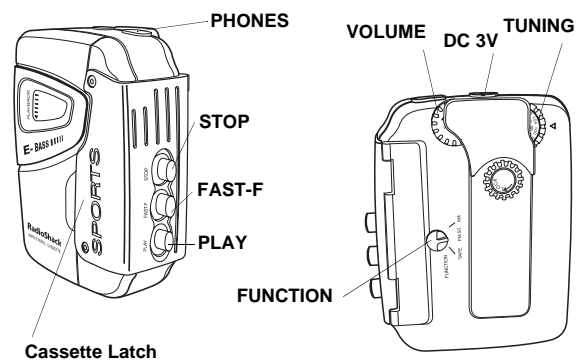
Turn the belt clip's knob counterclockwise to remove it or clockwise to attach it.



**Belt Clip Knob**

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## **A Look At Your Cassette Player**



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## **Operation**

### **PLAYING THE RADIO**

**Important:** Make sure you have connected ear-phones or speakers to the cassette player before turning it on.

1. To turn on the radio, set **FUNCTION** to **FM ST.** or **AM.**

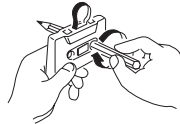
2. Rotate **TUNING** to select the desired station.

**Note:** The AM antenna is built-in. Rotate the cassette player to improve AM reception. For the best FM reception, fully extend the earphones' or speakers' cord.

3. Rotate **VOLUME** to the desired listening level.
4. Pull up the cassette latch then pull open the cassette compartment door. Slide **BASS** inside the cassette compartment door to **ON** for an enhanced bass effect or to **OFF** for normal bass sound.
5. Set **FUNCTION** to **TAPE** to turn off the radio.

## PLAYING A CASSETTE TAPE

1. Take up any slack in the tape by turning one of the cassette's hubs with a pencil.



**Caution:** If you do not remove the excess slack, the tape could become tangled in the playback mechanism.

2. Pull up the cassette latch, then pull up the cassette compartment door to open it.

3. Load the cassette into the compartment with its open edge facing the tape head and the side you want to play facing away from the tape compartment. Make sure the cassette is firmly held between the tape-handling parts and the metal clip inside the cassette compartment.
4. Slide **BASS** inside the cassette compartment door to **ON** for an enhanced bass effect or to **OFF** for normal bass sound.
5. Close the cassette compartment door and push the cassette latch until it snaps.
6. Set **FUNCTION** to **TAPE**, then press **PLAY** to start playback.
7. Rotate **VOLUME** to the desired listening level.
8. To stop playback, press **STOP**.

**Notes:**

- The cassette player automatically stops when the tape reaches the end of that side during playback. To stop the tape before it automatically stops, press **STOP**.
- To fast-forward the cassette tape, press **STOP** then **FAST-F**. The button locks down, and the

tape fast-forwards until you press **STOP**. Press **STOP** to protect the tape when it finishes fast-forwarding. To rewind the tape, turn the tape over and press **FAST-F**.

## **TAPE TIPS**

### **Recommended Tapes**

Tape quality greatly affects the quality of the recording. We recommend extended-range or low noise Type 1 regular length (60- or 90-minute) normal-bias cassette tapes. We do not recommend long-play cassette tapes such as C-120s because they are thin and can easily tangle.

### **Restoring Tape Tension and Sound Quality**

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then turn it over and completely fast-forward the other side. Then loosen the tape reels by gently tapping each edge of the cassette on a flat surface.

**Caution:** Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.

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## **Care and Maintenance**

Your RadioShack AM/FM Stereo Sports Cassette Player is an example of superior design and craftsmanship. The following suggestions will help you care for your cassette player so you can enjoy it for years.



Keep the cassette player dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Use and store the cassette player only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.



Keep the cassette player away from dust and dirt, which can cause premature wear of parts.



Handle the cassette player gently and carefully. Dropping it can damage circuit boards and cases and can cause the cassette player to work improperly.



Use only fresh batteries of the required size and recommended type. Batteries can leak chemicals that damage your cassette player's electronic parts.



Wipe the cassette player with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the cassette player.

Modifying or tampering with the cassette player's internal components can cause a malfunction and might invalidate its warranty. If your cassette player is not performing as it should, take it to your local RadioShack store for assistance.

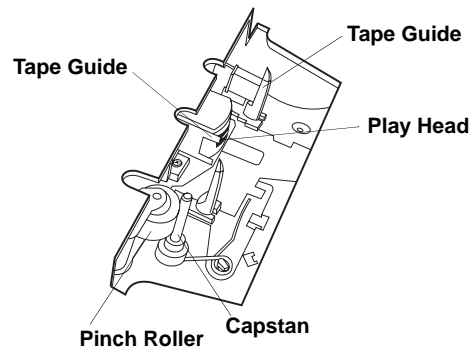
## **CLEANING THE TAPE-HANDLING PARTS**

Dirt, dust, or particles of the tape's coating can accumulate on the tape heads and other parts that the tape touches. This can greatly reduce the performance of the cassette player. After every 20 hours of tape player operation, follow these steps to clean the



tape-handling parts or use a RadioShack cassette deck cleaning kit.

1. Remove the batteries and disconnect any other power source.
2. Open the cassette latch and door, then press **PLAY** to expose the tape-handling parts.
3. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the tape guides, play head, pinch roller, and capstan.



4. When you finish cleaning, press **STOP** and close the cassette door. Then reconnect power.

## FCC INFORMATION

Your cassette player might cause TV or radio interference even when it is operating properly. To determine whether your cassette player is causing the interference, turn off your cassette player. If the interference goes away, your cassette player is causing it. Try to eliminate the interference by:

- moving your cassette player away from the receiver
- connecting your cassette player to an outlet that is on a different electrical circuit from the receiver
- contacting your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using your cassette player.

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## **Specifications**

### RADIO

Frequency Range ..... FM 88–108 MHz  
AM 530–1710 KHz

Signal-to-Noise Ratio (Nominal)	
AM	30 dB
FM	52 dB

### CASSETTE PLAYER

Track System	4-Track Stereo
Tape Speed	4.75 cm/s
Frequency Response	125–6300 Hz
Signal-to-Noise Ratio (Nominal)	46 dB
Wow and Flutter	0.4%

### GENERAL

Power Requirements	DC 3V Two AA Batteries, or Optional AC or DC Adapter
Dimensions (HWD) (with clip)	$4\frac{3}{4} \times 3\frac{2}{3} \times 1\frac{1}{2}$ in (121 × 93 × 38 mm)
Weight (without batteries)	8.5 oz (242 g)
Included Accessory	In-Ear Sports Earphones

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

### **Limited Ninety-Day Warranty**

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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